

BRONCHODILATORS

DRUG - Trade name		USUAL DOSE (ADULTS)*
SHORT-ACTING BETA2-AGONISTS		
SALBUTAMOL (SULFATE)	AIROMIR, VENTOLIN HFA (Inhalation aerosol) 100 mcg	1-2 puffs/dose as needed
	VENTOLIN (Diskus) 200 mcg	1 puff/dose as needed
TERBUTALINE (SULFATE)	BRICANYL (Turbuhaler) 0.5 mg	1 puff/dose as needed
LONG-ACTING BETA2-AGONISTS		
FORMOTEROL (FUMARATE)	FORADIL (Aerolizer), OXEZE (Turbuhaler) 6 -12 mcg	1-2 puffs twice a day
INDACATEROL (MALEATE)	ONBREZ (Breezhaler) 75 mcg	1 puff once a day
SALMETEROL (XINAFOATE)	SEREVENT (Diskus) 50 mcg	1 puff twice a day
SHORT-ACTING ANTICHOLINERGIC		
IPRATROPIUM (BROMIDE)	Atrovent HFA (Inhalation aerosol) 20 mcg	2 puffs 3 to 4 times a day
LONG-ACTING ANTICHOLINERGICS		
ACLIDINIUM (BROMIDE)	Tudorza (Genuair) 400 mcg	1 puff twice a day
GLYCOPYRRONIUM (BROMIDE)	Seebri (Breezhaler) 50 mcg	1 puff once a day
TIOTROPIUM (BROMIDE)	Spiriva (Handihaler) 18 mcg (Respimat) 2.5 mcg	1 puff once a day 2 puffs once a day (Asthma and COPD)
UMECLIDINIUM (BROMIDE)	Incruse (Ellipta) 62.5 mcg	1 puff once a day

*For more details about endorsed indications and dosages, please refer to product monographs.

INHALED CORTICOSTEROIDS

DRUG - Trade name		ASTHMA USUAL DAILY DOSES (mcg)*	
		ADULTS (≥ 12 years old)	CHILDREN (6 to 11 years old)
BECLOMETHASONE (DIPROPIONATE)	Qvar (Inhalation aerosol)	LOW	≤ 250
		MEDIUM	251-500
		HIGH	> 500
BUDESONIDE	Pulmicort (Turbuhaler)	LOW	≤ 400
		MEDIUM	401-800
		HIGH	> 800
CICLESONIDE	Alvesco (Inhalation aerosol)	LOW	≤ 200
		MEDIUM	201-400
		HIGH	> 400
FLUTICASONE (FUROATE)	Arnuity (Ellipta)	LOW	100†
		HIGH	200†
FLUTICASONE (PROPIONATE)	Flovent (Inhalation aerosol, Diskus)	LOW	≤ 250
		MEDIUM	251-500
		HIGH	> 500
MOMETASONE (FUROATE)	Asmanex (Twisthaler)	LOW	≤ 200
		MEDIUM	≥ 400-800
		HIGH	> 800¹

Table adapted from : Rev Can pneumol 2012 : 19(2), 127-64.

*For more details about endorsed indications and dosages, please refer to product monographs.

¹Global Initiative for Asthma. Global Strategy for Asthma Management and Prevention, 2016. Available from: www.ginasthma.org.

¹Unapproved dose in Canada. ²Recommended dose in children 4 to 11 years of age.

COMBINATIONS (DUO)

DRUG - Trade name		USUAL DOSE (ADULTS)*
CORTICOSTEROIDS PLUS LONG-ACTING BETA2-AGONISTS		
BUDESONIDE / FORMOTEROL (FUMARATE)	Symbicort (Turbuhaler) 100/6 mcg, 200/6 mcg Symbicort SMART (asthma)	→ 1-2 puffs twice a day (max : 4 puffs/ 24h) → 1-2 puffs twice a day AND 1 puff as needed (max : 8 puffs / 24h)
FLUTICASONE (FUROATE) / VILANTEROL (TRIFENATATE)	Breo (Ellipta) 100/25 mcg 200/25 mcg	→ 1 puff once a day (Asthma and COPD) → 1 puff once a day (Asthma)
FLUTICASONE (PROPIONATE) / SALMETEROL (XINAFOATE)	Advair (Inhalation aerosol) 125/25 mcg, 250/25 mcg (Diskus) 100/50 mcg, 250/50 mcg, 500/50 mcg	→ 2 puffs twice a day → 1 puff twice a day
MOMETASONE (FUROATE) / FORMOTEROL (FUMARATE)	Zenhale (Inhalation aerosol) 100/5 mcg, 200/5 mcg	2 puffs twice a day
LONG-ACTING ANTICHOLINERGICS PLUS LONG-ACTING BETA2-AGONISTS		
ACLIDINIUM (BROMIDE) / FORMOTEROL (FUMARATE)	Duaklir (Genuair) 400/12 mcg	1 puff twice a day
GLYCOPYRRONIUM (BROMIDE) / INDACATEROL (MALEATE)	Ultibro (Breezhaler) 50/110 mcg	1 puff once a day
TIOTROPIUM (BROMIDE) / OLODATEROL (HYDROCHLORIDE)	Inspiolto (Respimat) 2.5/2.5 mcg	2 puffs once a day
UMECLIDINIUM (BROMIDE) / VILANTEROL (TRIFENATATE)	Anoro (Ellipta) 62.5/25 mcg	1 puff once a day
SHORT-ACTING ANTICHOLINERGIC PLUS SHORT-ACTING BETA2-AGONIST		
IPRATROPIUM (BROMIDE) / SALBUTAMOL (SULFATE)	Combivent (Respimat) 20/100 mcg	1 puff 4 times a day (max: 6 puffs /24h)

*For more details about endorsed indications and dosages, please refer to product monographs.

COMBINATIONS (TRIO)

DRUG - Trade name		USUAL DOSE (ADULTS)*
CORTICOSTEROID PLUS LONG-ACTING ANTICHOLINERGIC PLUS LONG-ACTING BETA-2-AGONIST		
FLUTICASONE (FUROATE) / UMECLIDINIUM (BROMIDE) / VILANTEROL (TRIFENATATE)	Trelegy (Ellipta) 100/62.5/25 mcg	1 puff once a day

*For more details about endorsed indications and dosages, please refer to product monographs.

Airomir and Qvar are trademarks used under license by Valeant Canada. Bricanyl, Oxeze, Pulmicort, Symbicort, Genuair and Turbuhaler are registered trademarks of the AstraZeneca group and Duaklir, Tudorza are trademarks of Almirall, S.A., used under license by AstraZeneca; images of Tudorza and Duaklir are copyright AstraZeneca, used with permission. Foradil, Onbrez, Seebri, Ultibro, Aerolizer and Breezhaler are registered trademark of Novartis Pharma Canada. Arnuity, Anoro, Breo, Advair, Flovent, Incruse, Serevent, Ventolin, Diskus, Ellipta and Trelegy are registered trademarks, used under license by GlaxoSmithKline; images are copyright GlaxoSmithKline Inc, used with permission. Atrovent, Combivent, Inspiolto, Spiriva, Handihaler and Respimat are registered trademarks, used under license by Boehringer Ingelheim (Canada) Ltd. Alvesco is a registered trademark of TAKEDA GmbH, used under license. Asmanex, Zenhale and Twisthaler are registered trademarks of MSD International Holding GmbH, used under license.

Because of limitations related to image processing and printing, the colors of the devices presented here may differ slightly from their real colors.

Inhaled medication and inhalation devices

This tool was created by Fanny Arbour, pharmacist at training center for asthmatics, Sacre-Coeur Hospital, Montreal, in collaboration with the RQESR and VigilanceSanté.



This tool was approved by RQESR and its scientific committee in May 2016. October 2018 version RQESR. All rights reserved.

Authorized by the RQESR :

GSK for electronic transmission. Authorized on November 1st 2020

Conception graphique par



RQESR

RÉSEAU QUÉBÉCOIS D'ÉDUCATION EN SANTÉ RESPIRATOIRE

La référence des professionnels

INHALED MEDICATION AND INHALATION DEVICES

BRONCHODILATORS

SHORT-ACTING BETA2-AGONISTS

Salbutamol (sulfate) | **Terbutaline** (sulfate)



AIROMIR
Inhalation aerosol
100 mcg



VENTOLIN HFA
Inhalation aerosol
100 mcg



VENTOLIN
Diskus
200 mcg



BRICANYL
Turbuhaler
0.5 mg

LONG-ACTING BETA2-AGONISTS

Formoterol (fumarate) | **Indacaterol** (maleate) | **Salmeterol** (xinafoate)



FORADIL
Aerolizer
12 mcg



OXEZE
Turbuhaler
6 mcg



OXEZE
Turbuhaler
12 mcg



ONBREZ
Breezhaler
75 mcg



SEREVENT
Diskus
50 mcg

SHORT-ACTING ANTICHOLINERGIC

Ipratropium (bromide)



ATROVENT HFA
Inhalation aerosol
20 mcg

LONG-ACTING ANTICHOLINERGICS

Acclidinium (bromide) | **Glycopyrronium** (bromide) | **Tiotropium** (bromide) | **Umeclidinium** (bromide)



TUDORZA
Genuair
400 mcg



SEEBRI
Breezhaler
50 mcg



SPIRIVA
Handihaler
18 mcg



SPIRIVA
Respimat
2.5 mcg



INCRUSE
Ellipta
62.5 mcg

INHALED CORTICOSTEROIDS

Beclomethasone (dipropionate)



QVAR
Inhalation aerosol
50 mcg



QVAR
Inhalation aerosol
100 mcg

Budesonide



PULMICORT
Turbuhaler
100 mcg



PULMICORT
Turbuhaler
200 mcg



PULMICORT
Turbuhaler
400 mcg

Ciclesonide



ALVESCO
Inhalation aerosol
100 mcg



ALVESCO
Inhalation aerosol
200 mcg

Fluticasone (furoate)



ARNUITY
Ellipta
100 mcg



ARNUITY
Ellipta
200 mcg

Fluticasone (propionate)



FLOVENT HFA
Inhalation aerosol
50 mcg



FLOVENT HFA
Inhalation aerosol
125 mcg



FLOVENT HFA
Inhalation aerosol
250 mcg



FLOVENT
Diskus
50 mcg



FLOVENT
Diskus
100 mcg



FLOVENT
Diskus
250 mcg



FLOVENT
Diskus
500 mcg

Mometasone (furoate)



ASMANEX
Twisthaler
100 mcg



ASMANEX
Twisthaler
200 mcg



ASMANEX
Twisthaler
400 mcg

COMBINATIONS (DUO)

CORTICOSTEROIDS PLUS LONG-ACTING BETA2-AGONISTS

Budesonide | **Formoterol** (fumarate) | **Fluticasone** (furoate) | **Vilanterol** (trifenatate) | **Fluticasone** (propionate) | **Salmeterol** (xinafoate) | **Mometasone** (furoate) | **Formoterol** (fumarate)



SYMBICORT
Turbuhaler
100/6 mcg



SYMBICORT
Turbuhaler
200/6 mcg



BREO
Ellipta
100/25 mcg



BREO
Ellipta
200/25 mcg



ADVAIR
Inhalation aerosol
125/25 mcg



ADVAIR
Inhalation aerosol
250/25 mcg



ADVAIR
Diskus
100/50 mcg



ADVAIR
Diskus
250/50 mcg



ADVAIR
Diskus
500/50 mcg



ZENHALE
Inhalation aerosol
100/5 mcg



ZENHALE
Inhalation aerosol
200/5 mcg

LONG-ACTING ANTICHOLINERGICS PLUS LONG-ACTING BETA2-AGONISTS

Acclidinium (bromide) | **Formoterol** (fumarate) | **Glycopyrronium** (bromide) | **Indacaterol** (maleate) | **Tiotropium** (bromide) | **Olodaterol** (hydrochloride) | **Umeclidinium** (bromide) | **Vilanterol** (trifenatate)



DUAKLIR
Genuair
400/12 mcg



ULTIBRO
Breezhaler
50/110 mcg



INSPiOLTO
Respimat
2.5/2.5 mcg



ANORO
Ellipta
62.5/25 mcg

SHORT-ACTING ANTICHOLINERGIC PLUS SHORT-ACTING BETA2-AGONIST

Ipratropium (bromide) | **Salbutamol** (sulfate)



COMBIVENT
Respimat
20/100 mcg

COMBINATIONS (TRIO)

CORTICOSTEROID PLUS LONG-ACTING ANTICHOLINERGIC PLUS LONG-ACTING BETA-2-AGONIST

Fluticasone (furoate) / **Umeclidinium** (bromide) / **Vilanterol** (trifenatate)



TRELEGY
Ellipta
100/62.5/25 mcg

Le Réseau québécois d'éducation en santé respiratoire (RQESR) a pour mission le développement et la diffusion de formations et d'outils éducatifs destinés aux professionnels de la santé qui assurent le suivi de la clientèle atteinte de maladie respiratoire chronique.

En lien ce document, le Comité scientifique du RQESR propose le guide complet « *Techniques et entretien des dispositifs d'inhalation* » ainsi que les « *Grilles de vérification de l'utilisation des dispositifs d'inhalation* », disponibles au www.rqesr.ca

Authorized by the RQESR :

GSK for electronic transmission.
Authorized on November 1st 2020

Because of limitations related to image processing and printing, the colors of the devices presented here may differ slightly from their real colors.